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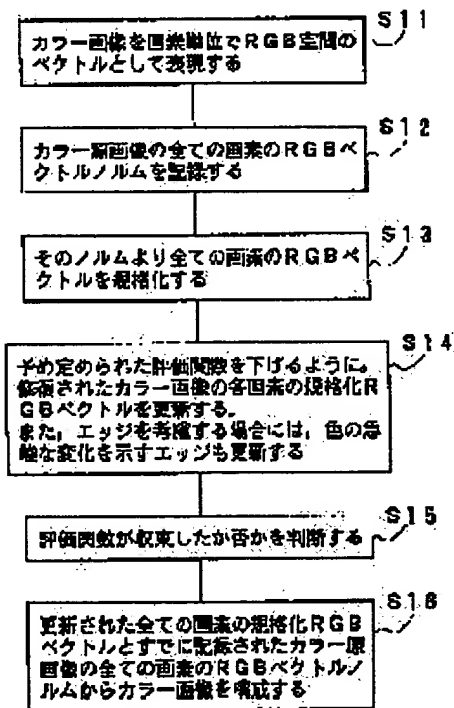
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(54) COLOR IMAGE PROCESSING METHOD

(57)Abstract:

PURPOSE: To correct only a color so that a change in a color of an object is natural without much change in the luminance distribution of the entire image from that of an original image by expressing the color image as a vector in an RGB space in the unit of picture elements and taking only an angle of a normalized image RGB vector into account.

CONSTITUTION: A color image is expressed as a vector in an RGB space in the unit of picture element, a norm of the RGB vector of a color original image is calculated and recorded (S11, S12). Then the norm is used to normalize the RGB vectors of all picture elements. The normalized RGB vector of each picture element of the corrected color image is updated so as to decrease its evaluation function (S13, S14). After the convergence of the evaluation function is confirmed, the corrected color image is formed based on the updated normalized RGB vectors of all the picture elements and the RGB vector norm of all the picture elements of the color original image already recorded.



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